

# **Sexually Transmitted Disease in Wisconsin 2001**



***Wisconsin STD Program***

## Technical notes

1. These reports are compiled by the Wisconsin STD Program and are based on STD case surveillance data collected by the Wisconsin Division of Public Health (DPH). In Wisconsin, state statutes require health care providers to report cases of chlamydia, gonorrhea, syphilis, primary genital Herpes simplex virus (HSV) infection, chancroid, and pelvic inflammatory disease to local health departments. Local health departments in turn forward reports to the DPH.
2. In this analysis the term "all STDs" refers specifically to reported cases of chlamydia, gonorrhea, syphilis, and primary genital Herpes simplex virus (HSV) infection. Unless otherwise specified, syphilis cases shown in these reports include all stages of disease.
3. These reports include cases diagnosed within the specified period. Additional cases diagnosed within the specified period may continue to be reported. Thus, this report should be considered provisional, and this report supercedes all previous reports.
4. Reporting of STDs cases is incomplete. Reporting rates may vary by disease, geographic region, and demographic groups. At any time, reported STD cases represent only part of the total number of diagnosed cases, therefore STD surveillance data likely underestimate total STD morbidity.
5. In these reports, rates presented are cases per 100,000 population. Rates are not calculated for categories with small numbers of cases. See each report for the rate calculation threshold.
6. Typically a significant number of STD cases are reported with unspecified race. When noted, imputed race-specific rates have been calculated. To calculate the imputed rate, reported cases with unspecified race were statistically allocated using the county-specific race distribution among cases with specified race. Thus, imputed rates specified in this table are estimates and should be used only for comparison.
7. In these reports, cases are allocated to the county of residence at the time of diagnosis. Cases diagnosed among inmates of correctional facilities are allocated to the county of the facility.

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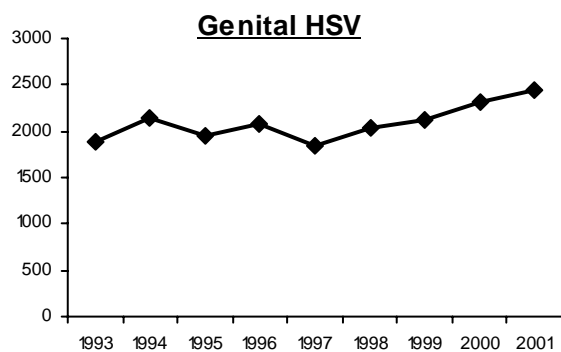
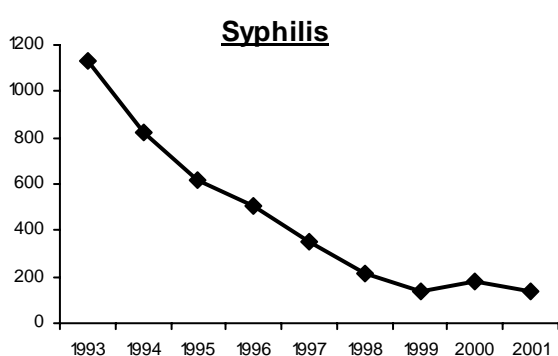
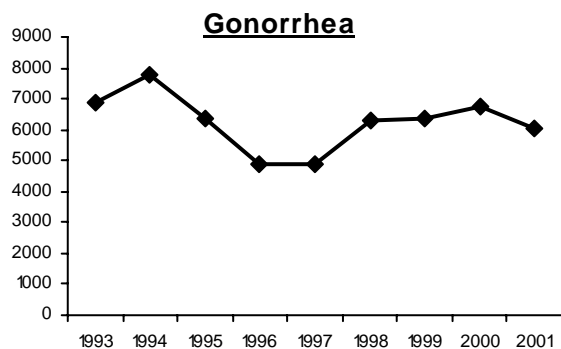
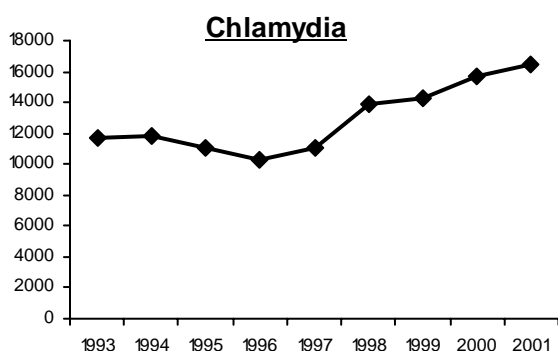
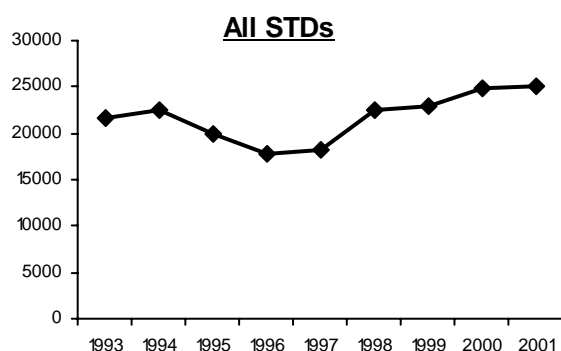
**Table 1. Reported cases of sexually transmitted disease**  
**Cases reported in Wisconsin\***  
**Year: 2001**

	<u>All STDs</u>		<u>Chlamydia</u>		<u>Gonorrhea</u>		<u>Syphilis</u>		<u>Genital HSV</u>	
	Cases	Percent	Cases	Percent	Cases	Percent	Cases	Percent	Cases	Percent
<b>Total</b>	25133	100.0%	16476	100.0%	6070	100.0%	137	100.0%	2450	100.0%
<b>Sex</b>										
Male	7181	28.6%	4259	25.8%	2363	38.9%	74	54.0%	485	19.8%
Female	17888	71.2%	12173	73.9%	3694	60.9%	63	46.0%	1958	79.9%
Unknown	64	0.3%	44	0.3%	13	0.2%	0	0.0%	7	0.3%
<b>Race</b>										
White	6792	27.0%	4918	29.8%	783	12.9%	19	13.9%	1072	43.8%
Black	8666	34.5%	5213	31.6%	3066	50.5%	91	66.4%	296	12.1%
Am. Indian	349	1.4%	283	1.7%	45	0.7%	0	0.0%	21	0.9%
Asian/Pacific Is.	260	1.0%	217	1.3%	30	0.5%	4	2.9%	9	0.4%
Other	505	2.0%	386	2.3%	67	1.1%	22	16.1%	30	1.2%
Unknown	8561	34.1%	5459	33.1%	2079	34.3%	1	0.7%	1022	41.7%
<b>Hispanic ethnicity</b>										
Hispanic	969	3.9%	751	4.6%	131	2.2%	26	19.0%	61	2.5%
Non Hispanic	13371	53.2%	8805	53.4%	3310	54.5%	109	79.6%	1147	46.8%
Unknown	10793	42.9%	6920	42.0%	2629	43.3%	2	1.5%	1242	50.7%
<b>Age group</b>										
0-4	33	0.1%	16	0.1%	11	0.2%	4	2.9%	2	0.1%
5-9	6	0.0%	1	0.0%	3	0.0%	0	0.0%	2	0.1%
10-14	480	1.9%	326	2.0%	141	2.3%	1	0.7%	12	0.5%
15-19	8311	33.1%	5979	36.3%	1942	32.0%	4	2.9%	386	15.8%
20-24	8694	34.6%	6153	37.3%	1871	30.8%	12	8.8%	658	26.9%
25-29	3621	14.4%	2318	14.1%	884	14.6%	22	16.1%	397	16.2%
30-34	1730	6.9%	909	5.5%	486	8.0%	24	17.5%	311	12.7%
35-39	1022	4.1%	433	2.6%	321	5.3%	29	21.2%	239	9.8%
40-44	547	2.2%	181	1.1%	214	3.5%	11	8.0%	141	5.8%
45-49	317	1.3%	85	0.5%	107	1.8%	11	8.0%	114	4.7%
50+	361	1.4%	68	0.4%	89	1.5%	19	13.9%	185	7.6%
Unknown	11	0.0%	7	0.0%	1	0.0%	0	0.0%	3	0.1%
<b>Region of residence</b>										
Northeastern	2612	10.4%	1823	11.1%	273	4.5%	9	6.6%	507	20.7%
Northern	816	3.2%	591	3.6%	68	1.1%	1	0.7%	156	6.4%
Southeastern	16611	66.1%	10472	63.6%	4786	78.8%	117	85.4%	1236	50.4%
Southern	3490	13.9%	2422	14.7%	766	12.6%	8	5.8%	294	12.0%
Western	1527	6.1%	1127	6.8%	149	2.5%	0	0.0%	251	10.2%
Unknown*	77	0.3%	41	0.2%	28	0.5%	2	1.5%	6	0.2%

\* Includes 38 cases reported among residents of other states, and 39 Wisconsin cases reported without a county specified.

**Table 2. Reported cases of sexually transmitted disease by year**  
*Cases reported in Wisconsin*

Year	All STDs	Chlamydia	Gonorrhea	Syphilis	Genital HSV
1993	21,634	11,720	6,892	1,134	1,888
1994	22,604	11,838	7,806	824	2,136
1995	19,986	11,052	6,371	617	1,946
1996	17,762	10,266	4,911	505	2,080
1997	18,173	11,063	4,917	351	1,842
1998	22,422	13,841	6,319	216	2,046
1999	22,861	14,257	6,355	138	2,111
2000	24,962	15,725	6,735	181	2,321
2001	25,133	16,476	6,070	137	2,450
<b>Total</b>	<b>195,537</b>	<b>116,238</b>	<b>56,376</b>	<b>4,103</b>	<b>18,820</b>



**Table 3. Reported cases of sexually transmitted disease by DHFS region and county**

*Cases reported in Wisconsin\**

**Year: 2001**

Region/County	<u>All STDs</u>			<u>Chlamydia</u>			<u>Gonorrhea</u>			<u>Syphilis</u>			<u>Genital HSV</u>		
	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**
<b>Northeastern Region</b>	<b>2612</b>	<b>10.4%</b>	<b>222</b>	<b>1823</b>	<b>11.1%</b>	<b>155</b>	<b>273</b>	<b>4.5%</b>	<b>23</b>	<b>9</b>	<b>6.7%</b>	<b>1</b>	<b>507</b>	<b>20.7%</b>	<b>43</b>
Brown	870	3.5%	378	608	3.7%	264	117	1.9%	51	3	2.2%	**	142	5.8%	62
Calumet	28	0.1%	67	20	0.1%	48	3	0.0%	**	0	0.0%	**	5	0.2%	12
Door	37	0.1%	130	13	0.1%	46	9	0.1%	32	0	0.0%	**	15	0.6%	53
Fond Du Lac	184	0.7%	187	121	0.7%	123	18	0.3%	18	0	0.0%	**	45	1.8%	46
Green Lake	28	0.1%	145	23	0.1%	119	0	0.0%	**	0	0.0%	**	5	0.2%	26
Kewaunee	11	0.0%	54	9	0.1%	44	1	0.0%	**	0	0.0%	**	1	0.0%	**
Manitowoc	168	0.7%	202	100	0.6%	120	18	0.3%	22	2	1.5%	**	48	2.0%	58
Marinette	72	0.3%	165	54	0.3%	124	5	0.1%	11	0	0.0%	**	13	0.5%	30
Marquette	20	0.1%	136	10	0.1%	68	2	0.0%	**	1	0.7%	**	7	0.3%	48
Menominee	73	0.3%	1,586	63	0.4%	1,368	6	0.1%	130	0	0.0%	**	4	0.2%	**
Oconto	51	0.2%	140	39	0.2%	107	3	0.0%	**	0	0.0%	**	9	0.4%	25
Outagamie	369	1.5%	224	273	1.7%	166	28	0.5%	17	1	0.7%	**	67	2.7%	41
Shawano	69	0.3%	168	54	0.3%	131	2	0.0%	**	1	0.7%	**	12	0.5%	29
Sheboygan	215	0.9%	188	148	0.9%	130	18	0.3%	16	1	0.7%	**	48	2.0%	42
Waupaca	42	0.2%	80	28	0.2%	54	5	0.1%	10	0	0.0%	**	9	0.4%	17
Waushara	39	0.2%	166	36	0.2%	153	0	0.0%	**	0	0.0%	**	3	0.1%	**
Winnebago	336	1.3%	212	224	1.4%	142	38	0.6%	24	0	0.0%	**	74	3.0%	47
<b>Northern Region</b>	<b>816</b>	<b>3.3%</b>	<b>168</b>	<b>591</b>	<b>3.6%</b>	<b>121</b>	<b>68</b>	<b>1.1%</b>	<b>14</b>	<b>1</b>	<b>0.7%</b>	<b>**</b>	<b>156</b>	<b>6.4%</b>	<b>32</b>
Ashland	29	0.1%	172	25	0.2%	148	2	0.0%	**	0	0.0%	**	2	0.1%	**
Bayfield	7	0.0%	46	7	0.0%	46	0	0.0%	**	0	0.0%	**	0	0.0%	**
Florence	6	0.0%	117	6	0.0%	117	0	0.0%	**	0	0.0%	**	0	0.0%	**
Forest	30	0.1%	300	20	0.1%	200	6	0.1%	60	0	0.0%	**	4	0.2%	**
Iron	2	0.0%	**	1	0.0%	**	0	0.0%	**	0	0.0%	**	1	0.0%	**
Langlade	20	0.1%	95	14	0.1%	67	3	0.0%	**	0	0.0%	**	3	0.1%	**
Lincoln	44	0.2%	147	26	0.2%	87	4	0.1%	**	0	0.0%	**	14	0.6%	47
Marathon	322	1.3%	253	235	1.4%	185	38	0.6%	30	0	0.0%	**	49	2.0%	38
Oneida	38	0.2%	102	21	0.1%	56	4	0.1%	**	0	0.0%	**	13	0.5%	35
Portage	123	0.5%	181	90	0.5%	133	5	0.1%	7	0	0.0%	**	28	1.1%	41
Price	17	0.1%	107	11	0.1%	70	1	0.0%	**	1	0.7%	**	4	0.2%	**

Region/County	All STDs			Chlamydia			Gonorrhea			Syphilis			Genital HSV		
	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**
Sawyer	21	0.1%	128	19	0.1%	116	1	0.0%	**	0	0.0%	**	1	0.0%	**
Taylor	6	0.0%	30	4	0.0%	**	0	0.0%	**	0	0.0%	**	2	0.1%	**
Vilas	26	0.1%	121	18	0.1%	84	1	0.0%	**	0	0.0%	**	7	0.3%	33
Wood	125	0.5%	165	94	0.6%	124	3	0.0%	**	0	0.0%	**	28	1.1%	37
<b>Southeastern Region</b>	<b>16611</b>	<b>66.3%</b>	<b>821</b>	<b>10472</b>	<b>63.7%</b>	<b>518</b>	<b>4786</b>	<b>79.2%</b>	<b>237</b>	<b>117</b>	<b>86.7%</b>	<b>6</b>	<b>1236</b>	<b>50.6%</b>	<b>61</b>
Jefferson	104	0.4%	133	76	0.5%	97	11	0.2%	14	1	0.7%	**	16	0.7%	20
Kenosha	708	2.8%	466	511	3.1%	336	124	2.1%	82	6	4.4%	4	67	2.7%	44
Milwaukee	13869	55.4%	1,476	8643	52.6%	920	4276	70.8%	455	101	74.8%	11	849	34.7%	90
Ozaukee	86	0.3%	103	45	0.3%	54	11	0.2%	13	1	0.7%	**	29	1.2%	35
Racine	1119	4.5%	589	702	4.3%	369	300	5.0%	158	5	3.7%	3	112	4.6%	59
Walworth	145	0.6%	156	105	0.6%	113	13	0.2%	14	0	0.0%	**	27	1.1%	29
Washington	155	0.6%	129	91	0.6%	76	13	0.2%	11	0	0.0%	**	51	2.1%	43
Waukesha	425	1.7%	116	299	1.8%	82	38	0.6%	10	3	2.2%	**	85	3.5%	23
<b>Southern Region</b>	<b>3490</b>	<b>13.9%</b>	<b>343</b>	<b>2422</b>	<b>14.7%</b>	<b>238</b>	<b>766</b>	<b>12.7%</b>	<b>75</b>	<b>8</b>	<b>5.9%</b>	<b>1</b>	<b>294</b>	<b>12.0%</b>	<b>29</b>
Adams	19	0.1%	94	16	0.1%	79	1	0.0%	**	0	0.0%	**	2	0.1%	**
Columbia	81	0.3%	152	56	0.3%	105	10	0.2%	19	0	0.0%	**	15	0.6%	28
Crawford	17	0.1%	98	11	0.1%	63	0	0.0%	**	0	0.0%	**	6	0.2%	35
Dane	1831	7.3%	420	1174	7.1%	269	513	8.5%	118	5	3.7%	1	139	5.7%	32
Dodge	446	1.8%	513	375	2.3%	432	40	0.7%	46	0	0.0%	**	31	1.3%	36
Grant	65	0.3%	130	56	0.3%	112	3	0.0%	**	0	0.0%	**	6	0.2%	12
Green	60	0.2%	176	38	0.2%	112	13	0.2%	38	0	0.0%	**	9	0.4%	26
Iowa	28	0.1%	121	24	0.1%	104	1	0.0%	**	0	0.0%	**	3	0.1%	**
Juneau	52	0.2%	210	42	0.3%	170	2	0.0%	**	0	0.0%	**	8	0.3%	32
Lafayette	13	0.1%	80	11	0.1%	68	1	0.0%	**	0	0.0%	**	1	0.0%	**
Richland	15	0.1%	83	13	0.1%	72	1	0.0%	**	1	0.7%	**	0	0.0%	**
Rock	721	2.9%	468	493	3.0%	320	174	2.9%	113	2	1.5%	**	52	2.1%	34
Sauk	116	0.5%	206	88	0.5%	157	7	0.1%	12	0	0.0%	**	21	0.9%	37
Vernon	26	0.1%	91	25	0.2%	88	0	0.0%	**	0	0.0%	**	1	0.0%	**
<b>Western Region</b>	<b>1527</b>	<b>6.1%</b>	<b>211</b>	<b>1127</b>	<b>6.9%</b>	<b>155</b>	<b>149</b>	<b>2.5%</b>	<b>21</b>	<b>0</b>	<b>0.0%</b>	<b>**</b>	<b>251</b>	<b>10.3%</b>	<b>35</b>
Barron	87	0.3%	191	63	0.4%	139	10	0.2%	22	0	0.0%	**	14	0.6%	31
Buffalo	6	0.0%	43	6	0.0%	43	0	0.0%	**	0	0.0%	**	0	0.0%	**
Burnett	9	0.0%	56	8	0.0%	50	0	0.0%	**	0	0.0%	**	1	0.0%	**
Chippewa	81	0.3%	144	61	0.4%	109	6	0.1%	11	0	0.0%	**	14	0.6%	25
Clark	30	0.1%	88	21	0.1%	62	2	0.0%	**	0	0.0%	**	7	0.3%	21
Douglas	116	0.5%	265	89	0.5%	204	24	0.4%	55	0	0.0%	**	3	0.1%	**

Wisconsin STD Program data

Region/County	<u>All STDs</u>			<u>Chlamydia</u>			<u>Gonorrhea</u>			<u>Syphilis</u>			<u>Genital HSV</u>		
	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**
Dunn	101	0.4%	248	69	0.4%	170	8	0.1%	20	0	0.0%	**	24	1.0%	59
Eau Claire	317	1.3%	336	205	1.2%	217	27	0.4%	29	0	0.0%	**	85	3.5%	90
Jackson	30	0.1%	155	25	0.2%	130	0	0.0%	**	0	0.0%	**	5	0.2%	26
La Crosse	391	1.6%	362	297	1.8%	275	48	0.8%	44	0	0.0%	**	46	1.9%	43
Monroe	92	0.4%	221	77	0.5%	185	5	0.1%	12	0	0.0%	**	10	0.4%	24
Pepin	1	0.0%	**	0	0.0%	**	0	0.0%	**	0	0.0%	**	1	0.0%	**
Pierce	43	0.2%	115	33	0.2%	88	7	0.1%	19	0	0.0%	**	3	0.1%	**
Polk	67	0.3%	158	42	0.3%	99	4	0.1%	**	0	0.0%	**	21	0.9%	50
Rusk	16	0.1%	104	14	0.1%	91	1	0.0%	**	0	0.0%	**	1	0.0%	**
St Croix	66	0.3%	100	51	0.3%	77	3	0.0%	**	0	0.0%	**	12	0.5%	18
Trempealeau	58	0.2%	212	52	0.3%	190	4	0.1%	**	0	0.0%	**	2	0.1%	**
Washburn	16	0.1%	98	14	0.1%	86	0	0.0%	**	0	0.0%	**	2	0.1%	**
<b>Total</b>	<b>25056</b>	<b>100.0%</b>	<b>462</b>	<b>16435</b>	<b>100.0%</b>	<b>303</b>	<b>6042</b>	<b>100.0%</b>	<b>111</b>	<b>135</b>	<b>100.0%</b>	<b>2</b>	<b>2444</b>	<b>100.0%</b>	<b>45</b>

\* Excludes 38 cases reported among residents of other states, and 39 Wisconsin cases reported without a county specified.

\*\* Cases per 100,000 population. Rate not calculated for categories with less than 5 cases.

**Table 4. Reported cases of sexually transmitted disease by age and disease**  
**Cases reported in Wisconsin**  
**Year: 2001**

<b>All STDs</b>			<b>Chlamydia</b>			<b>Gonorrhea</b>		
<b>Age</b>	<b>Cases</b>	<b>Rate*</b>	<b>Age</b>	<b>Cases</b>	<b>Rate*</b>	<b>Age</b>	<b>Cases</b>	<b>Rate*</b>
0-4	33	9	0-4	16	4	0-4	11	3
5-9	6	1	5-9	1	**	5-9	3	**
10-14	480	120	10-14	326	81	10-14	141	35
15-19	8,311	2032	15-19	5,979	1462	15-19	1,942	474
20-24	8,694	2265	20-24	6,153	1603	20-24	1,871	487
25-29	3,621	1107	25-29	2,318	709	25-29	884	270
30-34	1,730	468	30-34	909	246	30-34	486	131
35-39	1,022	240	35-39	433	101	35-39	321	75
40-44	547	120	40-44	181	40	40-44	214	47
45-49	317	76	45-49	85	20	45-49	107	25
50+	372	24	50+	75	4	50+	90	5
Total	25,133	463	Total	16,476	303	Total	6,070	111

<b>Syphilis</b>			<b>Genital HSV</b>		
<b>Age</b>	<b>Cases</b>	<b>Rate*</b>	<b>Age</b>	<b>Cases</b>	<b>Rate*</b>
0-4	4	**	0-4	2	**
5-9	0	**	5-9	2	**
10-14	1	**	10-14	12	3
15-19	4	**	15-19	386	94
20-24	12	3	20-24	658	171
25-29	22	6	25-29	397	121
30-34	24	6	30-34	311	84
35-39	29	6	35-39	239	56
40-44	11	2	40-44	141	31
45-49	11	2	45-49	114	27
50+	19	1	50+	188	12
Total	137	2	Total	2,450	45

\* Cases per 100,00 population

\*\* Rate not calculated for categories with less than 5 cases.



**Table 5. Reported sexually transmitted disease, reported rates\* and imputed rates\*\* by race**  
**Cases reported in Wisconsin**

**Year: 2001**

	Cases per 100,000 population***				
	All STDs	Chlamydia	Gonorrhea	Syphilis	Genital HSV
	Reported - Imputed	Reported - Imputed	Reported - Imputed	Reported - Imputed	Reported - Imputed
White	137 - 182	99 - 127	15 - 20	0 - 0	21 - 34
Black	2636 - 4383	1585 - 2697	932 - 1463	27 - 27	90 - 194
Am. Indian	646 - 813	524 - 647	83 - 111	** - **	38 - 55
Asian/Pacific Is.	249 - 342	208 - 280	28 - 41	** - **	8 - 17

\* The reported rate is the number reported cases with specified race per 100,000 population. Because some cases are reported with unspecified race, the reported rate under-estimates actual morbidity and thus should be regarded as a minimum estimate.

\*\* The imputed rate takes into consideration cases reported without race specified. To calculate the imputed rate reported cases with unspecified race were statistically allocated using the county-specific race distribution among cases with specified race. Thus, imputed rates specified in this table are estimates.

\*\*\* Rate not calculated for categories with less than 5 cases.